<u>@kulite</u> THIN LINE PRESSURE TRANSDUCER

LQ-080 SERIES LQ-125 SERIES

High Natural Frequency

Thermal Sensitivity Shift

Linear Vibration

Weight

PHYSICAL

Mechanical Shock

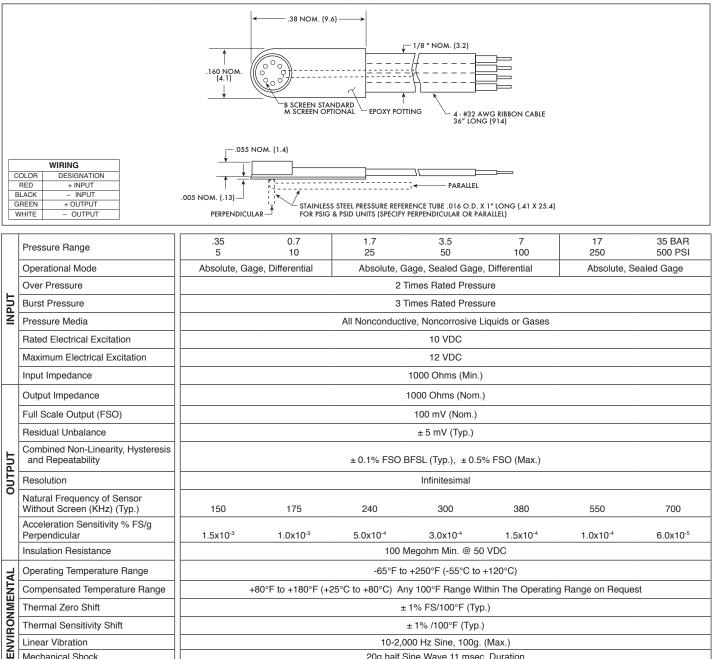
Electrical Connection

Pressure Sensing Principle

- **Excellent Stability**
- Ideal For Flight Test & Wind Tunnel Applications
- Silicon on Silicon Integrated Sensor VIS®

The LQ Series demonstrates Kulite's ability to provide pressure transducers suited for adaptation into custom packages. These devices can be integrated into various test articles such as fan blades, engine nozzles of various types, etc. The features of these transducers include small foot print, high natural frequency, extreme resistance to vibration and shock, and wide temperature range.

Kulite recommends the KSC Series of signal conditioners to maximize the measurement capability of the LQ-080 and LQ-125 transducers.



Note: Custom pressure ranges, accuracies and mechanical configurations available. Dimensions are in inches. Dimensions in parenthesis are in millimeters. All dimensions nominal. (1) Continuous development and refinement of our products may result in specification changes without notice. Copyright @ 2014 Kulite Semiconductor Products, Inc. All Rights Reserved. Kulite miniature pressure transducers are intended for use in test and research and development programs and are not necessarily designed to be used in production applications. For products designed to be used in production programs, please consult the factory.



± 1% /100°F (Typ.)

10-2,000 Hz Sine, 100g. (Max.)

20g half Sine Wave 11 msec. Duration

4 Conductor 32 AWG Ribbon Cable 36" Long

.2 Grams (Nom.) Excluding Cable

Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon